

NYANDARUA NATIONAL POLYTECHNIC P.O BOX

2033 – 20300, NYAHURURU Cell: 0727-256001

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MECHANICAL ENGINEEEIRNG DEPARTMENT

UNITS FOR TERM 1 2025

NO.	STAGE	TYPE OF EXAM	UNITS	ASSESSMENT FEE
			DAE 22S	
1.	MOD M3	KNEC	THERMODYNAMICS	
	TERM 1		PROJECT	
	li de la companya de		FLUID MECHANICS	
			MATHS	
			CAD	
			AE& E	10-
			CONTROL	
			BP	
NO WHISTY			ASSESSMENT FEE	10,500/=
			DME 22S M3	
2.	MOD 3	KNEC	THERMODYNAMICS	
	TERM 1		PROJECT	
			FLUID MECHANICS	
			MATHS	
			CAD	
			PRODUCTION LINE PROCESSES	
			CONTROL	Carl .
			BP	
			FOUNDRY TECHNOLOGY	
			ASSESSMENT FEE DAE 23M	10,500/=
3.	MOD 2	KNEC	E/DRAWING	
7.0	TERM 2	THE CO.	STRENGTH	- Training and the state of the
			MACHINES	
			IOM	
			MATHS	
			ENGINES	
			V/BODY	
			E/DRAWING	
			ASSESSMENT FEE	9,600/=
			CAE 23M	
4.	MOD 2	KNEC	V/ELECTRIC	
	TERM 1		PROJECT	
			TD	
			MATHS	ATIONAL POUR

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	7		WOM	1
			WOM ENGINES	
			COM/SK ·	
			BP	
			V/ELECTRIC	-11-
				0.100
			ASSESSMENT FEE MEL6 23S	9,100
5	CDACC		ENG MATH	COMMON
		SUMMATTIVE	Milling work	CORE
			E/D/ CAD	COMMON
20			Sheet metal parts	CORE
			THERMODYNAMICS	CORE
			ASSESSMENT FEE	7,500/=
			ATL6 238/24J	74500/
6.	CBET	SUMMATIVE	Strength of Materials principles	BASIC
	NyNP		Mechanics of Machines	COMMON
			Vehicle Fuel System	CORE
	-		STEERING AND SUSPENSION	CORE
			Vehicle Body Works	CORE
			EE	BASIC
			ASSESSMENT FEE	8,500/=
			MEL5 238	
7.	CDACC	SUMMATIVE	Lathe Operations	CORE
			Milling operations	CORE
			Grinding operations	CORE
			CAD	CORE
			ASSESSMENT FEE	6,000/=
10000 050 I				
0	CDET	GLD O CLEDWING	ATL5 238/24J	
8.	CBET	SUMMATTIVE	Vehicle Fuel System	CORE
	NyNP		Vehicle Steering and Suspension System	CORE
			Vehicle Electrical Systems	CORE
			Vehicle Body Works	CORE
			EE	BASIC
			ASSESSMENT FEE	7,000=/
real No.	CDACC	SUMMATTIVE/	DIGITAL LITERACY	DACIC
	CDITION	FORMATIVE	DIGITAL LITERACY ENVIRONMENTAL LITERACY	BASIC
		. Oldin III V L	OSHA	BASIC
9.			ENG.MATHS	BASIC
			TD	COMMON
				COMMON
			POST HARVEST ACTIVITIES	CORE
			AGRICUI TURAL HARVESTING	CORE
			AGRICULTURAL HARVESTING	CORE
			MACHINERY AND EQUIPMENT TOTAL	10,500=/
			MEL6 24M	= 101200=1

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10.	CDACC	SUMMATTIVE/	ENG MATH	COMMON
		FORMATIVE	MATERIALS	COMMON
			EE .	BASIC
			Communication skills	BASIC
			digital literacy	BASIC
			Mechanical Principle skills	COMMON
			Join parts by manual arc Welding	CORE
			ED/CAD	COMMON
			ASSESSMENT FEE	10,500=/
			ATL6 24M (A&B)	
1.	NyNP	SUMMATIVE	ENG MATHS	COMMON
	CDACC		OSHA	BASIC
			Digital Literacy	BASIC
			Technical Drawings	COMMON
			Workshop Technology Principles	COMMON
			Electrical Principles	COMMON
			FUEL SYSTEM	CORE
			SUSPENSION AND STEERING	CORE
			MATERIALS	CORE
			ASSESSMENT FEE	12,500=/
			ATL5 24M (A B&C)	
2.	NyNP	SUMMATIVE	WHEELS AND TYRES	CORE
		Jona III I	ENVIRONMENTAL LITERACY	COMMON
			OSHA	BASIC
			TD	COMMON
			Mechanical Science	COMMON
			Engineering Mathematics	COMMON
			Digital Literacy	BASIC
			FUEL SYSTEM	CORE
			STEERING AND SUSPENSION	CORE
			Workshop Technology Principles	COMMON
			ASSESSMENT FEE	13,500/=
			ATL4 24M (A,B,C,D,E&F)	
3.	CBET	SUMMATTIVE	DIGITAL LIT	BASIC
	CDACC		STEERING AND SUSPENSION	CORE
			MAINTAINING WORKSHOP TOOLS	CORE
			OSHA	BASIC
			EE	BASIC
			Geometry Drawing	COMMON
			EMPLOYABILITY	BASIC
			The Committee of the Co	The second secon
			ENVIRONMENTAL LITERACY	BASIC
			The Committee of the Co	The second secon
			ENVIRONMENTAL LITERACY	BASIC

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			STEERING AND SUSPENSION	
			BRAKING SYSTEM	
			W/TECH	=
			ENGINES	
			ASSESSMENT FEE	TO WELL AND DESCRIPTION
			WFL4 24M	6,650/=
15.	CDACC	SUMMATIVE	Manual arc(stick) welding	CORE
			Gas Welding	CORE
			Communication skills	Control of the Contro
			Numeracy Skills	BASIC
*			Occupational safety and health practices	BASIC
			Digital literacy	BASIC
				BASIC
			Workshop Processes ASSESSMENT FEE	COMMON
				7,500/=
6.	NITA	SUMMATIVE	WFL3 24M Manual Matal Ara Walding	
		SOMMITTEE	Manual Metal Arc Welding Workshop Processes	
			GAS welding BENCH WORK	
			ASSESSMENT FEE	
1			AGEL6 24M	6,750/=
17	CDACC	SUMMATIVE	ENG MATHS	COMON
			EMPLOYABILITY	BASIC
			Entrepreneurial Skills	BASIC
			Principles of Mechanical Science	- International Control of the Contr
			Electrical Principles	COMMON
			Workshop Technology Practices	COMMON
			MATERIALS	COMMON
			OPERATE HARVESTING MACHINERY	CORE -
			ASSESSMENT FEE	8,500/=
Med I			AGEL5 24M	0,300/=
8	CDACC	SUMMATIVE	MACH. & EQU.SYSTEM MAINT	CORE
			MACH. & EQU. STSTEM MAINT	CORE
			TD	COMMON
			ENG MATHS	COMMON
			ENVIRONMENTAL LITERANCY	
	l)		Engineering Science Principles	COMMON
			EE EE	BASIC
			Mechatronics Workshop Practice	COMMON
			TRACTOR OPERATIONS	CORE
			ASSESSMENT FEE	10,500/=
			AGEL4 24M	LUC-UU/
9	CDACC	SUMMATIVE	AGRICULTURAL DIGITAL SYSTEM	CORE
			EE	BASIC
			EMPLOYABILTY	BASIC
			NUMERACY	BASIC
			ENVIRNMENTAL LITERACY	BASIC
			110	COMMON NATIONAL POLY

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			ENGINEERING SCIENCE	COMMON
			MATHS	COMMON
			CULIBRACTION OF FIELD EQUIPMENT	CORE
		4 =	ASSESSMENT FEE	7,800/=
			WFL5 24M	
20	CDACC	SUMMATIVE	Estimation and costing	COMMON
		A source of the second of the	OSHA	BASIC
		8	SCIENCE CALCULATIONS	COMMON
			Geometry Drawing	COMMON
	ŀ		EMPLOYABILITY	BASIC
			ENVIRONMENTAL LITERACY	BASIC
			fabrication of products and structures	CORE
			BASIC MATHS	COMMON
			ASSESSMENT FEE	7,100/=
			WFL4 24M	
1	CDACC	SUMMATIVE	EE	BASIC
			Gas Welding	CORE
			ENVIRONMENTAL LITERACY	BASIC
			Numeracy Skills	BASIC
			EMPLOYABILITY	BASIC
			TD	COMMON
			MATHS	COMMON
			Scientific principles	COMMON
			ASSESSMENT FEE	6,800/=
			MEL5 24M	
2	CDACC	SUMMATIVE	Mechanical science principles	COMMON
			ENVIRONMENTAL LITERACY	BASIC
			Sheet metal Fabrication	CORE
			ENG MATHS	COMMON
			Technical drawing	COMMON
			Electrical principles	COMMON
			Communication skills	BASIC
			ASSESSMENT FEE	9,000/=
		CID O CATTURE TO DE L	ATL6 24S	
3	NyNP	SUMMATIVE/FORM	ENG MATHS	COMMON
		ATIVE	COM/SK	BASIC
			ENGINES	CORE
			TRANSMISSION SYSTEM	CORE
			BRAKING SYSTEM	CORE
			Digital Literacy	BASIC
	1		Technical Drawings	COMMON
	1		Workshop Technology Principles	COMMON
	This results a post		ASSESSMENT FEE	9,500/=
4	NAD	CID MATINE CODA	ASSESSMENT FEE ATL5 248	
24	NyNP	SUMMATIVE/FORM	ASSESSMENT FEE ATL5 24S Electrical Principles	COMMON
24	NyNP	SUMMATIVE/FORM ATIVE	ASSESSMENT FEE ATL5 248	

		W	Communication Shills	DACIC
			Communication Skills Mechanical Science	BASIC COMMON
			Engineering Mathematics	COMMON
			Digital Literacy	BASIC
		N	Entrepreneurial Skills	BASIC
			Electrical Principles	COMMON
			Workshop Technology Principles	COMMON
Real Real			ASSESSMENT FEE ATL4 24S	12,500/=
25	CDACC	SUMMATIVE	BASIC MATHS	COMMON
	00.100	BOMMITTYE	Servicing Vehicle Braking Systems.	CORE
			Servicing and Repairing Vehicle Engines.	CORE
			Servicing Vehicle Electrical Systems.	CORE
			Communication Skills	
				BASIC
			Geometry Drawing	COMMON
			Basic Science Principles Workshop Technology Applications	COMMON
			Workshop Technology Applications	COMMON
			Servicing and Repairing Vehicle Fuel Systems.	CORE
			ASSESSMENT FEE	12,000/=
26	CDACC	SUMMATIVE	AGEL6 24S ENG MATHS	COMMON
.0	CDACC	SOMMATIVE	TPU	CORE
			PRODUCTION MACHINERY &	The state of the s
			EQUIPMENT (PM&E)	CORE
			Communication Skills	BASIC
			Entrepreneurial Skills	BASIC
			Principles of Mechanical Science	COMMON
			Electrical Principles	COMMON
			Workshop Technology Practices	COMMON
			MATERIALS	COMMON
			ASSESSMENT FEE	11,500/=
			MEL624S	
7	CDACC	SUMMATIVE	ENG MATH	COMMON
			MATERIALS	COMMON
			Produce parts by bench work	CORE
			Communication skills	BASIC
			digital literacy	BASIC
			Mechanical Principle skills	COMMON
			Lathe work	CORE
			Join parts by manual arc welding	CORE
			Perform workshop processes	CORE ·
			ENGINEERING DRAWING	COMMON
Ti.			ASSESSMENT FEE	12,000/=
			WFL4 248	
28	CDACC	SUMMATIVE	Manual arc(stick) welding	CORE
			Gas Welding	CORE
			Communication skills	BASIC
	1		Communication Skins	THE RESERVE OF THE PARTY OF THE

			Occupational safety and health practices	BASIC
			Digital literacy	BASIC
			Workshop Processes	COMMON
The sale of the			ASSESSMENT FEE	5,500/=
			ATL6 25J	
29	NyNP	SUMMATIVE/FORM	ENG MATHS	COMMON
		ATIVE	COM/SK	BASIC
			ENGINES	CORE
			TRANSMISSION SYSTEM	CORE
25			BRAKING SYSTEM	CORE
			Digital Literacy	BASIC
			Technical Drawings	COMMON
			ENG MATHS	COMMON
			ASSESSMENT FEE	9,500/=
VANIL IN			ATL5 25J	
30	NyNP	SUMMATIVE/FORM	Vehicle Engine Components	CORE
		ATIVE	Vehicle Braking System	CORE
			Vehicle Transmission Systems	CORE
			Communication Skills	BASIC
			Mechanical Science	COMMON
			Engineering Mathematics	COMMON
			Digital Literacy	BASIC
			Entrepreneurial Skills	BASIC
			Electrical Principles	COMMON
			Workshop Technology Principles	COMMON
			TECHNICAL DRAWING	COMMON
			ASSESSMENT FEE	12,500/=
			ATL4 25J	
31	CDACC	SUMMATIVE	BASIC MATHS	COMMON
			Servicing Vehicle Braking Systems.	CORE
_			Servicing and Repairing Vehicle Engines.	CORE
			Servicing Vehicle Electrical Systems.	CORE
			Communication Skills	BASIC
			Geometry Drawing	COMMON
			Basic Science Principles	COMMON
			Workshop Technology Applications	COMMON
			Servicing and Repairing Vehicle Fuel Systems.	CORE
			ASSESSMENT FEE	7,500/=

Prepared by:

Kiambi S G

HoD Mechanical engineering department

S.NO	KNQA LEVEL	BASIC UNITS	COMMON UNITS	CORE UNITS
1.	3	700/=	1000/=	1000/=
2.	4	700/=	1000/=	1000/=
3.	5	1000/=	1500/=	1500/=
4.	6	1000/=	1500/=	1500/=

